CONTENTS

Consultants v

Contributors xi

Information for Authors xiii

In This Volume xv

FORMAL ANALYSIS OF QUALITATIVE DATA: A SYMPOSIUM

1. The Niche Hiker's Guide to Population Ecology: A Logical Reconstruction of Organization Ecology's Niche Theory 1
   Gábor Péli

2. Sequence Comparison Via Alignment and Gibbs Sampling: A Formal Analysis of the Emergence of the Modern Sociological Article 47
   Andrew Abbott and Emily Barman

3. A Generic Semantic Grammar for Quantitative Text Analysis: Applications to East and West Berlin Radio News Content from 1979 89
   Carl W. Roberts

Discussion:

Comment: The Importance of Order 131
Kathleen M. Carley

Comment: On Ambiguity and Rhetoric in (Social) Science 135
Roberto Franzosi
Comment: On Logical Formalization of Theories from Organizational Ecology 145
Michael T. Hannan
Comment: Evaluating Qualitative Methodologies 151
Edgar Kiser

Rejoinders:
Reply: Intuition and the Formal Approaches 159
Gábor Péli
Reply to Comments 165
Andrew Abbott and Emily Barman
Reply: The Curse of Chauvin 169
Carl W. Roberts

SOCIOECONOMIC INDICES

4. Socioeconomic Indexes for Occupations: A Review, Update, and Critique 177
Robert M. Hauser and John Robert Warren
5. A Dual-Source Indicator of Consumer Confidence 299
Gordon G. Bechtel

ESTIMATING TREATMENT EFFECTS

6. Matching with Multiple Controls to Estimate Treatment Effects in Observational Studies 325
Herbert L. Smith

EVENT-HISTORY ANALYSIS

7. The Neighborhood History Calendar: A Data Collection Method Designed for Dynamic Multilevel Modeling 355
William G. Axinn, Jennifer S. Barber, and Dirgha J. Ghimire
8. Adjusting for Attrition in Event-History Analysis 393
Daniel H. Hill

9. Dynamic Discrete-time Duration Models: Estimation via Markov Chain Monte Carlo 417
Ludwig Fahrmeir and Leonhard Knorr-Held

LONGITUDINAL AND MULTILEVEL MODELING

10. Latent Variable Modeling of Longitudinal and Multilevel Data 453
Bengt Muthén

Name Index 481

Subject Index 489